**Sardar Bhagwan Singh PG Institute, Balawal,Dehradun**

**B.Pharm 3rd Year (6th Semester)**

**Subject Pharmacology-III**

**Fourth Weekly Assignment**

**Topic covered:**

* Antifungal and antimalarial drugs
* Immunosuppresants and immunostimulants

**Q.1 (A) Correctly match the followings**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.N | **Drug** | **Mecahnism** | **Clinical use** | **Main Side effects** |
| 1 | Amphotericin B | Inhibit β-1,3-glucan synthase | Vivax malaria | **Q-T prolongation** |
| 2 | Echinocandins | Inhibit polymerization of heme | Plasmodium falciparum malaria | Peripheral neuritis |
| 3 | Chloroquine | Distrub mitochondria electron transport in parasite | Dermatophytosis | Hypokelemia |
| 4 | Griseofulvin | Generation of free radicals | Parasitaemia caused by P.vivax and ovale | Haemolysis |
| 5 | Artesunate | Interfere with mitosis | Systemic mycoses | Nepherotoxicity |
| 6 | Primaquine | Increase cell permeability | Deep & invasive candidiasis | loss of vision |

B. Fill in the blanks

1. ...........................inhibitors are specific T-cells inhibitors.
2. ....................is potent immunosuppressant macrolide antibiotic that inhibit......................by binding with FKBP immunophilin protein.
3. Mycophenolic acid is active metabolite of..........................that act by inhibiting...................
4. ................................. is used in svere refractory ankylosing spondylitis.
5. Polyclonal antibody that is used to suppress acute allograft rejection episodes......................
6. Initial dose of ........................... are associated with cytokine release syndrome.
7. ................................. is gametocidal to all species of plasmodia.
8. The active metabolite of artesunate (sod.) is...................................

Q2 Give classification of antmalarial drugs and mechanism of action and clinical uses of Chloroquine, artemisinin and Sulfonamide-Pyrimethamine(S/P).

Q3.classify antifungal drugs. Wite mechanism of action, clinical uses and side effects of- Amphotericin B, Griseofulvin, and ketoconazole.

Q4. Classify immunosuprassants drugs. Wite mechanism of action, clinical uses and side effects of- cyclosporine and m-TOR inhibitors.